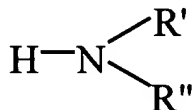


derived from a polyolefin having a number average molecular weight in the range of about 500 to about 3000, and (b) a C<sub>1-4</sub> alkyl; (ii) at least one secondary monoamine of the formula



wherein R' and R'' are independently alkyl groups having from 1 to 30 carbon atoms; and (iii) at least one aldehyde.

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6.(amended) The Mannich product of claim 1 wherein the mole ratio of aldehyde (iii) to monoamine (ii) is 1.2:1 or less.

A2 7.(amended) The Mannich product of claim 6 wherein the mole ratio of aldehyde (iii) to monoamine (ii) is 1.1:1 or less.

8.(amended) The Mannich product of claim 6 wherein the mole ratio of aldehyde (iii) to monoamine (ii) is 1.2:1 to 1:1.

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10.(amended) The Mannich product of claim 1 wherein R' and R'' of the secondary monoamine are independently alkyl groups having from 1 to 18 carbon atoms.

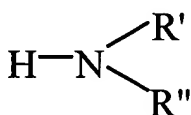
A3 11.(amended) The Mannich product of claim 10 wherein R' and R'' of the secondary monoamine are independently alkyl groups having from 1 to 6 carbon atoms.

A3 12.(amended) The Mannich product of claim 11 wherein the secondary monoamine is dibutyl amine.

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17.(amended) A fuel additive composition comprising:

- A4
- a) a fuel-soluble Mannich detergent/dispersant obtained by reacting (i) at least one di-substituted hydroxyaromatic compound having on the ring both (a) an aliphatic hydrocarbyl substituent derived from a polyolefin having a number average molecular weight in the range of about 500 to about 3000, and (b) a C<sub>1-4</sub> alkyl; (ii) at least one secondary monoamine of the formula



wherein R' and R'' are independently alkyl groups having from 1 to 30 carbon atoms; and (iii) at least one aldehyde; and

- b) at least one liquid carrier for said Mannich detergent/dispersant in proportions such that for each part by weight of Mannich detergent/dispersant on an active ingredient basis there is in the range of about 0.3 to about 2.0 parts by weight of liquid carrier therefor.
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22.(amended) The composition of claim 17 wherein the mole ratio of aldehyde (iii) to monoamine (ii) is 1.2:1 or less.

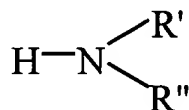
A5 23.(amended) The composition of claim 22 wherein the mole ratio of aldehyde (iii) to monoamine (ii) is 1.1:1 or less.

AS 24.(amended) The composition of claim 22 wherein the mole ratio of aldehyde (iii) to monoamine (ii) is 1.2:1 to 1:1.

AC 34.(amended) The composition of claim 33 wherein the secondary monoamine is dibutyl amine.

AM 40.(amended) A fuel composition for use in a spark-ignition internal combustion engine comprising a spark-ignition fuel into which has been blended:

- a) a fuel-soluble Mannich detergent/dispersant obtained by reacting (i) at least one di-substituted hydroxyaromatic compound having on the ring both (a) an aliphatic hydrocarbyl substituent derived from a polyolefin having a number average molecular weight in the range of about 500 to about 3000, and (b) a C<sub>1-4</sub> alkyl; (ii) at least one secondary monoamine of the formula



wherein R' and R'' are independently alkyl groups having from 1 to 30 carbon atoms; and (iii) at least one aldehyde; and

- b) at least one liquid carrier for said Mannich detergent/dispersant in proportions such that for each part by weight of Mannich detergent/dispersant on an active ingredient basis there is in the range of about 0.3 to about 2.0 parts by weight of liquid carrier therefor; wherein a) and b) are present in an amount at least sufficient to reduce or minimize the weight of intake valve deposits in a spark-ignition internal combustion engine operated on said fuel composition.